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☐ 1. Document ID: US 20070145977 A1

L63: Entry 1 of 15

File: PGPB

Jun 28, 2007

PGPUB-DOCUMENT-NUMBER: 20070145977

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20070145977 A1

TITLE: Fast continuous moving bed magnetic resonance imaging with multiple stationary receive coils for sense reconstruction

PUBLICATION-DATE: June 28, 2007

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Keupp; Jochen	Hamburg		DE
Aldefeld; Bernd	Hamburg		DE
Boernert; Peter	Hamburg		DE

US-CL-CURRENT: 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

☐ 2. Document ID: US 20070090838 A1

L63: Entry 2 of 15

File: PGPB

Apr 26, 2007

PGPUB-DOCUMENT-NUMBER: 20070090838

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20070090838 A1

TITLE: Apparatus and method for NMR tomography acquisition with local magnetic field gradients in connection with local receiver coils

PUBLICATION-DATE: April 26, 2007

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Hennig; Jurgен	Freiburg		DE

US-CL-CURRENT: 324/307

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

☐ 3. Document ID: US 20060273792 A1

L63: Entry 3 of 15

File: PGPB

Dec 7, 2006

PGPUB-DOCUMENT-NUMBER: 20060273792

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060273792 A1

TITLE: Systems and methods for image reconstruction of sensitivity encoded MRI data

PUBLICATION-DATE: December 7, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Kholmovski; Evgueni G.	Salt Lake City	UT	US
Parker; Dennis Lee	Centerville	UT	US

US-CL-CURRENT: 324/309; 324/307

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

☐ 4. Document ID: US 20060208730 A1

L63: Entry 4 of 15

File: PGPB

Sep 21, 2006

PGPUB-DOCUMENT-NUMBER: 20060208730

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060208730 A1

TITLE: K-t blast and k-t sense magnetic resonance imaging

PUBLICATION-DATE: September 21, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Kozerke; Sebastian	Hedingen	MA	CH
Tsao; Jeffrey	Brookline		US
Boesiger; Peter	Ennetbaden		CH
Pruessmann; Klaas	Zurich		CH

US-CL-CURRENT: 324/307

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

☐ 5. Document ID: US 20060186941 A1

L63: Entry 5 of 15

File: PGPB

Aug 24, 2006

PGPUB-DOCUMENT-NUMBER: 20060186941

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060186941 A1

TITLE: Minimum norm sence reconstruction for optimal spatial response

PUBLICATION-DATE: August 24, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Pruessmann; Klaas	Zurich	MA	CH
Tsao; Jeffrey	Brookline		US

US-CL-CURRENT: 327/307

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

☐ 6. Document ID: US 20050228261 A1

L63: Entry 6 of 15

File: PGPB

Oct 13, 2005

PGPUB-DOCUMENT-NUMBER: 20050228261

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050228261 A1

TITLE: Magnetic resonance imaging method

PUBLICATION-DATE: October 13, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Huber, Michael	Teufen		CH
Kozerke, Sebastian	Hedingen		CH
Boesiger, Peter	Ennetbaden		CH

US-CL-CURRENT: 600/410; 600/407, 600/419, 600/422, 600/423

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

☐ 7. Document ID: US 20050192497 A1

L63: Entry 7 of 15

File: PGPB

Sep 1, 2005

PGPUB-DOCUMENT-NUMBER: 20050192497
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050192497 A1

TITLE: Magnetic resonance imaging method

PUBLICATION-DATE: September 1, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Tsao, Jeffrey	Basel		CH
Pruessmann, Klaas Paul	Zurich		CH
Boesiger, Peter	Ennebaden		CH

US-CL-CURRENT: 600/421

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

☐ 8. Document ID: US 20050020897 A1

L63: Entry 8 of 15

File: PGPB

Jan 27, 2005

PGPUB-DOCUMENT-NUMBER: 20050020897
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050020897 A1

TITLE: Magnetic resonance method for forming a fast dynamic image

PUBLICATION-DATE: January 27, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Fuderer, Miha	Eindhoven		NL

US-CL-CURRENT: 600/407; 436/173

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KWC	Draw Desc	Image				

☐ 9. Document ID: US 20040245987 A1

L63: Entry 9 of 15

File: PGPB

Dec 9, 2004

PGPUB-DOCUMENT-NUMBER: 20040245987

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040245987 A1

TITLE: Magnetic resonance imaging method with reduced acoustic noise

PUBLICATION-DATE: December 9, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ham, Cornelis Leonardus Gerardus	Eindhoven		NL
Harvey, Paul Royston	Eindhoven		NL

US-CL-CURRENT: 324/309; 324/307

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KWC	Draw Desc	Image				

☐ 10. Document ID: US 7330027 B2

L63: Entry 10 of 15

File: USPT

Feb 12, 2008

US-PAT-NO: 7330027

DOCUMENT-IDENTIFIER: US 7330027 B2

TITLE: System and method of magnetic resonance imaging for producing successive magnetic resonance images

DATE-ISSUED: February 12, 2008

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20060208730 A1

September 21, 2006

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Kozerke; Sebastian

Hedingen

CH

Tsao; Jeffrey

Brookline

MA

US

Boesiger; Peter

Ennetbaden

CH

Pruessmann; Klaas

Zurich

CH

US-CL-CURRENT: 324/307

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KWIC	Draw Desc

☐ 11. Document ID: US 7174200 B2

L63: Entry 11 of 15

File: USPT

Feb 6, 2007

US-PAT-NO: 7174200

DOCUMENT-IDENTIFIER: US 7174200 B2

TITLE: Optimized high-speed magnetic resonance imaging method and system
using hyperpolarized noble gases

DATE-ISSUED: February 6, 2007

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20040260173 A1

December 23, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Salerno; Michael	Palo Alto	CA		US
Mugler, III; John P.	Charlottesville	VA		US
Brookeman; James R.	Charlottesville	VA		US

US-CL-CURRENT: 600/420; 424/9.3, 600/407, 600/431

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 12. Document ID: US 7061240 B2

L63: Entry 12 of 15

File: USPT

Jun 13, 2006

US-PAT-NO: 7061240

DOCUMENT-IDENTIFIER: US 7061240 B2

TITLE: Magnetic resonance imaging method with reduced acoustic noise

DATE-ISSUED: June 13, 2006

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20040245987 A1

December 9, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ham; Cornelis Leonardus Gerardus	Eindhoven			NL
Harvey; Paul Royston	Eindhoven			NL

US-CL-CURRENT: 324/309

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KMC	Draw Desc Image

☐ 13. Document ID: US 6806708 B1

L63: Entry 13 of 15

File: USPT

Oct 19, 2004

US-PAT-NO: 6806708

DOCUMENT-IDENTIFIER: US 6806708 B1

TITLE: Multi-coil reconstruction of MRI signals using linear phase multiplied data with separate demodulators for each coil

DATE-ISSUED: October 19, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lee; Jin Hyung	Menlo Park	CA		
Pauly; John M.	Redwood City	CA		
Nishimura; Dwight G.	Palo Alto	CA		

US-CL-CURRENT: 324/307; 324/309

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KMC	Draw Desc Image

☐ 14. Document ID: US 6114852 A

L63: Entry 14 of 15

File: USPT

Sep 5, 2000

US-PAT-NO: 6114852

DOCUMENT-IDENTIFIER: US 6114852 A

TITLE: Method employing point source to determine motion induced errors in MR imaging

DATE-ISSUED: September 5, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Zhou; Xiaohong	Houston	TX		
McKinnon; Graeme C.	Hartland	WI		

US-CL-CURRENT: 324/306; 324/307, 324/309, 600/413

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KMC	Draw Desc Image

☐ 15. Document ID: WO 2005047918 A1

L63: Entry 15 of 15

File: EPAB

May 26, 2005

PUB-NO: WO2005047918A1

DOCUMENT-IDENTIFIER: WO 2005047918 A1

TITLE: FAST CONTINUOUS MOVING BED MAGNETIC RESONANCE IMAGING WITH
MULTIPLE STATIONARY RECEIVE COILS FOR SENSE RECONSTRUCTION

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KMC	Draw Desc Image

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Term	Documents
READ	1912836
READS	450283
READOUT	117594
READOUTS	8555
READ-OUT	85165
READ-OUTS	1723
FREQUENCY	2338157
FREQUENCIES	553837

FREQUENCYS	76
DIRECTION	5974861
DIRECTIONS	1405292
(L5 AND ((UNDERSAMPL\$3 OR UNDER-SAMPL\$3 OR ((PARTIAL\$2 OR INCOMPLET\$3 OR PORTION) SAME (SAMPL\$3))) WITH ((READ OR READOUT OR READ-OUT OR FREQUENCY) SAME (ENCOD\$4 OR DIRECTION OR AXIS OR AXIAL\$2 OR GRADIENT))))). PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	15

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